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TITLE 326 AIR POLLUTION CONTROL DIVISION

PROPOSED RULE AS PRELIMINARILY ADOPTED WITH IDEM'S SUGGESTED CHANGES INCORPORATED

LSA Document #22-38

DIGEST

Amends/adds/repeals 326 IAC 7-4.1-16 concerning updates for sulfur dioxide monitoring and fuel sampling processes for Safety-Kleen Oil Recovery Company. Effective 30 days after filing with the Publisher.

HISTORY

First Notice of Comment Period: February 16, 2022, Indiana Register (DIN: 20220216-IR-326220038FNA).

Second Notice of Comment Period: August 10, 2022, Indiana Register (DIN: 20220810-IR-326220038SNA).

Notice of First Hearing: August 10, 2022, Indiana Register (DIN: 20220810-IR-326220038PHA).

Date of First Hearing: November 9, 2022.

Proposed Rule: November 23, 2022, Indiana Register (DIN: 20221123-IR-326220038PRA).

Notice of Second Hearing: November 23, 2022, Indiana Register (DIN: 20221123-IR-326220038PHA).

Date of Second Hearing: March 8, 2022.

326 IAC 7-4.1-16

SECTION 1. 326 IAC 7-4.1-16 IS AMENDED TO READ AS FOLLOWS:

326 IAC 7-4.1-16 Safety-Kleen Oil Recovery Company sulfur dioxide emission limitations

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11

Affected: IC 13-15; IC 13-17

Sec. 16. Safety-Kleen Oil Recovery Company, Source Identification Number 00301, shall comply with the sulfur dioxide emission limits in pounds per hour and other requirements as follows:

(1) Boilers ~~SB-801~~, SB-820 ~~SB-821~~, and ~~SB-823~~, and **SB-822**, and Process Heaters H-

302 and H-404 ~~shall~~ **must** use natural gas only.

(2) Process Heater H-201, with a capacity of twenty-seven and three-tenths (27.3) MMBtu per hour, ~~shall~~ **must** use a combination of natural gas, No. 2 fuel oil equivalent, and off-gases. Process Heater H-301, with a capacity of twenty and zero-tenths (20.0) MMBtu per hour, ~~shall~~ **must** use a combination of natural gas and No. 2 fuel oil equivalent. The combined sulfur dioxide emissions from these two (2) process heaters ~~shall~~ **must** not exceed fourteen (14) pounds per hour and sixty (60) tons per year.

(3) Process Heater H-401, with a capacity of fifteen and three-tenths (15.3) MMBtu per hour, ~~shall~~ **must** use a combination of natural gas, No. 2 fuel oil equivalent, and off-gases. Process Heater H-402, with a capacity of eleven and seven-tenths (11.7) MMBtu per hour, ~~shall~~ **must** use a combination of natural gas and No. 2 fuel oil equivalent. The combined sulfur dioxide emissions from these two (2) process heaters ~~shall~~ **must** not exceed ten and eight-tenths (10.8) pounds per hour and forty-seven and three-tenths (47.3) tons per year.

(4) Process Heater H-406, with a capacity of twenty and zero-tenths (20.0) MMBtu per hour, ~~shall~~ **must** use a combination of natural gas and ~~off-gases~~ **off-gas from vessel V-423**. The sulfur dioxide emissions ~~shall~~ **must** not exceed eight (8) pounds per hour.

~~(5) Within thirty (30) days after the effective date of this rule, Safety Kleen shall choose one (1) of the following compliance options for Process Heaters H 201, H 301, H 401, H 402, and H 406 and submit a letter to the department identifying which option will be used to demonstrate compliance of these process heaters with this rule. With the letter, Safety Kleen shall submit a fuel and sampling analysis protocol for the selected option for approval by the department. Safety Kleen shall comply with the approved compliance method by December 31, 2005, and after that date shall use only the selected method to demonstrate compliance of the process heaters in accordance with the approved fuel and sampling analysis protocol. The department shall notify U.S. EPA of the approved option. The options are as follows:~~

~~(A) Safety Kleen shall demonstrate compliance through monitoring as follows:~~

~~(i) Monitor sulfur content in the off-gas streams for Process Heaters H-201, H 401, and H 406.~~

~~(ii) Prior to sampling the fuel in the fuel tank, mix the contents of the tank to ensure consistent composition of the fuel throughout the tank.~~

~~(iii) Perform fuel sampling and analysis for the sulfur content of the fuel in each fuel tank:~~

~~(AA) prior to the first time the fuel is burned; and~~

~~(BB) subsequently, prior to burning the fuel whenever additional fuel has been added to the tank since the last sampling event.~~

~~(iv) Maintain records sufficient to demonstrate compliance for at least three (3) years.~~

~~(v) Submit an excess emissions report to the department within thirty (30) days after the end of each calendar quarter.~~

~~(B) (5) Safety-Kleen shall demonstrate compliance through monitoring as follows:~~

~~(i)-(A) Monitor sulfur content in the off-gas streams for Process Heater H-406.~~

(B) Install **and operate** sulfur dioxide CEMS on the stacks for Process Heaters H-201 **and** H-401. ~~and H-406.~~ The CEMS ~~shall~~ **must** be installed, calibrated, operated, and maintained in accordance with 326 IAC 3-5.

~~(ii)~~ **(C)** Conduct fuel sampling for heat input and sulfur content and measure the quantity of fuel oil burned ~~in the four (4) process heaters in order to calculate the heat input rate in MMBtu/hr~~ **MMBtu per hour for Process Heaters H-201 and H-401, as well as the SO₂ emission rate in for Process Heaters H-201, H-301, H-401, and H-402.**

~~(iii)~~ **(D)** Prior to sampling the fuel in the fuel tank, mix the contents of the tank to ensure consistent composition of the fuel throughout the tank.

~~(iv)~~ **(E)** Perform fuel sampling and analysis for the sulfur content of the fuel in each fuel tank:

~~(AA)~~ **(i)** prior to the first time the fuel is burned; and

~~(BB)~~ **(ii)** subsequently, prior to burning the fuel whenever additional fuel has been added to the tank since the last sampling event.

~~(v)~~ **(F)** Maintain records sufficient to demonstrate compliance for at least three (3) years.

~~(vi)~~ **(G)** Submit an excess emissions report to the department within thirty (30) days after the end of each calendar quarter.

~~(C) Safety Kleen shall demonstrate compliance through monitoring as follows:~~

~~(i) Install sulfur dioxide CEMS on the stacks for Process Heaters H-201, H-301, H-401, H-402, and H-406. The CEMS shall be installed, calibrated, operated, and maintained in accordance with 326 IAC 3-5.~~

~~(ii) Maintain records sufficient to demonstrate compliance for at least three (3) years.~~

~~(iii) Submit an excess emissions report to the department within thirty (30) days after the end of each calendar quarter.~~

(Air Pollution Control Division; 326 IAC 7-4.1-16; filed May 25, 2005, 10:50 a.m.; 28 IR 2961)